



IFW16

RAW SEQUENCE LISTING

DATE: 08/26/2004

PATENT APPLICATION: US/09/463,733

TIME: 11:39:12

Input Set : A:\Uc-851-1.app

Output Set: N:\CRF4\08262004\I463733.raw

3 <110> APPLICANT: Zuker, Charles
 4 Vinos, Javier
 5 The Regents of the University of California
 7 <120> TITLE OF INVENTION: Method for Modulating G-Protein Coupled Receptors
 9 <130> FILE REFERENCE: 02307E-085110US
 11 <140> CURRENT APPLICATION NUMBER: US 09/463,733
 C--> 12 <141> CURRENT FILING DATE: 2000-01-26
 14 <150> PRIOR APPLICATION NUMBER: US 60/054,165
 15 <151> PRIOR FILING DATE: 1997-07-30
 17 <150> PRIOR APPLICATION NUMBER: US 60/054,492
 18 <151> PRIOR FILING DATE: 1997-08-01
 20 <150> PRIOR APPLICATION NUMBER: WO PCT/US98/15717
 21 <151> PRIOR FILING DATE: 1998-07-29
 23 <160> NUMBER OF SEQ ID NOS: 1
 25 <170> SOFTWARE: PatentIn Ver. 2.1
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 661
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Drosophila melanogaster
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: retinal degeneration C (RDGC) protein
 35 <400> SEQUENCE: 1
 36 Met Asp Glu Asn Ala Ile Arg Ala Ala Ile Phe Ile Gln Lys Trp Tyr
 37 1 5 10 15
 39 Arg Arg His Gln Ala Arg Arg Glu Met Gln Arg Arg Cys Asn Trp Gln
 40 20 25 30
 42 Ile Phe Gln Asn Leu Glu Tyr Ala Ser Glu Gln Asp Gln Ala Glu Leu
 43 35 40 45
 45 Tyr Lys Phe Phe Asn Asp Leu Ile Lys His Met Pro Gln Ala Ala Gly
 46 50 55 60
 48 Arg Lys Asn Gln Tyr Gln Gly Ser Ala His Val Ser Val Leu Asp Asp
 49 65 70 75 80
 51 Lys Asp Asp Leu Val Glu Glu Phe Gly Asp Ile Val Asn Ala Lys Ile
 52 85 90 95
 54 Glu Leu Pro Ile Arg Lys Asn His Ile Asp Leu Leu Ile Asp Val Phe
 55 100 105 110
 57 Arg Lys Lys Arg Gly Asn Arg Leu His Pro Lys Tyr Val Ala Leu Ile
 58 115 120 125
 60 Leu Arg Glu Ala Ala Lys Ser Leu Lys Gln Leu Pro Asn Ile Ser Pro
 61 130 135 140
 63 Val Ser Thr Ala Val Ser Gln Gln Val Thr Val Cys Gly Asp Leu His
 64 145 150 155 160
 66 Gly Lys Leu Asp Asp Leu Leu Val Val Leu His Lys Asn Gly Leu Pro

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67          165          170          175
69 Ser Ser Ser Asn Pro Tyr Val Phe Asn Gly Asp Phe Val Asp Arg Gly
70          180          185          190
72 Lys Arg Gly Leu Glu Val Leu Leu Leu Leu Ser Leu Tyr Leu Ala
73          195          200          205
75 Phe Pro Asn Ala Val Phe Leu Asn Arg Gly Asn His Glu Asp Ser Val
76          210          215          220
78 Met Asn Ala Arg Tyr Gly Phe Ile Arg Glu Val Glu Ser Lys Tyr Pro
79 225          230          235          240
81 Arg Asn His Lys Arg Ile Leu Ala Phe Ile Asp Glu Val Tyr Arg Trp
82          245          250          255
84 Leu Pro Leu Gly Ser Val Leu Asn Ser Arg Val Leu Ile Val His Gly
85          260          265          270
87 Gly Phe Ser Asp Ser Thr Ser Leu Asp Leu Ile Lys Ser Ile Asp Arg
88          275          280          285
90 Gly Lys Tyr Val Ser Ile Leu Arg Pro Pro Leu Thr Asp Gly Glu Pro
91          290          295          300
93 Leu Asp Lys Thr Glu Trp Gln Gln Ile Phe Asp Ile Met Trp Ser Asp
94 305          310          315          320
96 Pro Gln Ala Thr Met Gly Cys Val Pro Asn Thr Leu Arg Gly Ala Gly
97          325          330          335
99 Val Trp Phe Gly Pro Asp Val Thr Asp Asn Phe Leu Gln Arg His Arg
100          340          345          350
102 Leu Ser Tyr Val Ile Arg Ser His Glu Cys Lys Pro Asn Gly His Glu
103          355          360          365
105 Phe Met His Asp Asn Lys Ile Ile Thr Ile Phe Ser Ala Ser Asn Tyr
106          370          375          380
108 Tyr Ala Ile Gly Ser Asn Lys Gly Ala Tyr Ile Arg Leu Asn Asn Gln
109 385          390          395          400
111 Leu Met Pro His Phe Val Gln Tyr Ile Ser Ala Ala Ser Gln Thr Lys
112          405          410          415
114 Arg Leu Ser Phe Lys Gln Arg Met Gly Ile Val Glu Ser Ser Ala Leu
115          420          425          430
117 Lys Glu Leu Ala Val Arg Met Arg Asp His Arg Asp Glu Leu Glu Asp
118          435          440          445
120 Glu Phe Arg Lys Tyr Asp Pro Lys Asp Ser Gly Tyr Ile Ser Ile Ser
121          450          455          460
123 His Trp Cys Lys Val Met Glu Asn Val Thr Lys Leu Gly Leu Pro Trp
124 465          470          475          480
126 Arg Leu Leu Arg Asp Lys Leu Ala Pro Gly Thr Asp Ser Gln Lys Val
127          485          490          495
129 Asn Tyr Asn Arg Thr Leu Asp Leu Leu Asp Thr Asp Val Ile Leu Glu
130          500          505          510
132 Ala Glu Ala Asp Gly Met Ser Val Met Asp Ala Leu Tyr Ala Asn Lys
133          515          520          525
135 Ala Ser Leu Val Ala Ile Phe Asn Ile Ile Asp Ala Asp Asn Ser Gly
136          530          535          540
138 Glu Ile Thr Leu Asp Glu Phe Glu Thr Ala Ile Asp Leu Leu Val Ala
139 545          550          555          560

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141 His Met Pro Gly Ala Tyr Ser Lys Ala Glu Met Leu Glu Lys Cys Arg
142           565           570           575
144 Met Met Asp Leu Asn Gly Asp Gly Lys Val Asp Leu Asn Glu Phe Leu
145           580           585           590
147 Glu Ala Phe Arg Leu Ser Asp Leu His Arg Lys Glu Gln Gln Asp Glu
148           595           600           605
150 Asn Ile Arg Arg Arg Ser Thr Gly Arg Pro Ser Val Ala Lys Thr Ala
151           610           615           620
153 Thr Asp Pro Val Thr Leu Leu Ala Asp Lys Ile Ser Lys Asn Thr Leu
154 625           630           635           640
156 Val Val Glu His Asp Ile Asp Pro Thr Asp Cys Glu Ser Lys Val Ile
157           645           650           655
159 Asp Pro Lys Lys Ser
160           660

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VERIFICATION SUMMARY

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date